Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/16/2021 09:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124037	-1	2.95	124148	2.96
Blue	F	SSC	125000	122901	-2	3.68	123885	3.71
Blue	E	FITC	14203	13717	-4	3.16	297	15.53
Blue	D	PE	25703	25240	-2	2.83	547	11.11
Blue	B	PerCP-Cy5-5	42104	41019	-3	3.58	914	15.15
Blue	A	PE-Cy7	34646	34161	-2	4.96	483	31.65
Red	C	APC	49824	49137	-2	3.23	1505	11.61
Red	A	APC-Cy7	39773	38638	-3	3.31	720	12.13
Violet	B	V450	7447	7204	-4	4.08	401	12.85
Violet	A	V500	31193	29892	-5	3.98	677	10.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21708	3.34	557	1	N/A	N/A	Pass
Blue	F	SSC	53682	3.41	518	6	N/A	N/A	Pass
Blue	E	FITC	56	55.60	488	2	0.0437	276	Pass
Blue	D	PE	108	40.43	490	5	0.3628	314	Pass
Blue	B	PerCP-Cy5-5	174	37.37	582	5	0.0182	64	Pass
Blue	A	PE-Cy7	110	66.53	627	7	0.0186	0	Pass
Red	C	APC	347	24.11	569	2	0.0269	70	Pass
Red	A	APC-Cy7	199	25.01	546	2	0.0059	553	Pass
Violet	B	V450	90	41.70	457	8	0.0481	1701	Pass
Violet	A	V500	119	30.35	474	7	0.0239	767	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.72	-31.40	0.94
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	20.22	15.99 - 23.99	N/A	N/A	29.77	30.04	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9590

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments